

## ABSTRACT OF THE DISCLOSURE

A software-based method for simulation of multiple access networks is provided. The method can simulate one or more networks complying with broadcast media on one or more computers installed with a protocol  
5 for transferring simulation frames to computers involved in simulation by using software. Also, simulation frames are transferred over the simulated network. The invention takes advantage of the installed protocol to simulate a frame transfer mechanism. Further, the invention can define and simulate a real network topology by software for  
10 transmitting/receiving simulation frames.